EAST Search History

EAST Search History (Prior Art)

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
S1	4	("20020099135" | "20040126607" | "20050077413" | "3639147" | "5678613" | "5983473" | "6958127").PN.	USPAT; USOCR	OR	OFF	2008/08/14 09:43
S2	1	"09/969975".app.	US-PGPUB	OR	ON	2008/08/14 09:46
S3	1	10/664529.app.	US-PGPUB	OR	ON	2008/08/14 09:47
S4	1	10/491007.app.	US-PGPUB	OR	ON	2008/08/14 09:47
S5	1	("5279336").PN.	USPAT; USOCR	OR	OFF	2008/08/14 10:02
S6	23	("4252157" | "4834148" | "4947902" | "4953598" | "5217049").PN. OR ("5279336").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2008/08/14 10:02
S7	1	10/550959.app.	US-PGPUB; USPAT; USOCR	OR	ON	2008/08/14 10:47
S8	29	((TAKAHIRO) near2 (NAGAOKA)).INV.	US-PGPUB; USPAT; USOCR	OR	ON	2008/08/14 11:33
S9	33	((ICHIRO) near2 (KUSAKARI)).INV.	US-PGPUB; USPAT; USOCR	OR	ON	2008/08/14 11:37
S10	98	"140"/$.ccls. and (binding or winding) and (reel or bobbin) and (sensor or detector or indicator)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/08/14 12:41
S11	2989	"242"/$.ccls. and (binding or winding) and (reel or bobbin) and (sensor or detector or indicator)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/08/14 12:41

S12	2352	"242"/$.ccls. and (binding or winding) and (reel or bobbin) and (sensor or detector or indicator) and rotation	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/08/14 12:42
S13	1998	"242"/$.ccls. and (binding or winding) and ((reel or bobbin) same (sensor or detector or indicator))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/08/14 12:51
S14	794	"242"/$.ccls. and (binding or winding) and ((reel or bobbin) near5 (sensor or detector or indicator))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/08/14 12:51
S15	616	"242"/$.ccls. and (binding or winding) and ((reel or bobbin) near5 (sensor or detector or indicator)) and rotation	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/08/14 12:52
S16	66	"242"/$.ccls. and (binding or winding) and ((reel or bobbin) near5 (sensor or detector or indicator)) and rotation and (twist or twisting)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/08/14 12:52
S17	1	10/491007.app.	US-PGPUB	OR	ON	2008/08/14 12:59
S18	14	("2435086" | "3292170" | "4190216" | "4236449" | "4286487" | "4834148" | "4865087" | "4878607" | "5279336").PN. OR ("5515887").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2008/08/14 13:15
S19	1	("6338263").PN.	USPAT; USOCR	OR	OFF	2008/08/14 13:53
S22	168	140/93.6.ccls.	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/08/14 14:45

S23	199	140/93A.ccls.	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/08/14 14:45
S24	341	140/119.ccls.	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/08/14 14:45
S25	525	140/149.ccls.	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/08/14 14:45
S26	397	242/563.ccls.	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/08/15 09:00
S27	276	242/563.2.ccls.	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/08/15 09:00
S28	303	242/588.6.ccls.	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/08/15 09:00
S29	192	242/601.ccls.	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/08/15 09:00
S30	246	242/912.ccls.	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/08/15 09:00
S31	23	242/913.ccls.	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/08/15 09:00
S32	205	72/37.ccls.	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/08/15 09:06

S33	74	72/6.1-19.9.ccls. and ((detector or sensor) near5 (reel or rotation))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/08/15 10:04
S34	334	140/93.2.ccls.	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/08/17 13:35
S35	112	140/57.ccls.	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/08/17 13:43
S36	1	("6401766").PN.	USPAT; USOCR	OR	OFF	2008/08/17 14:03
S37	1	("5678613").PN.	USPAT; USOCR	OR	OFF	2009/03/15 17:47
S38	1	("6125338").PN.	USPAT; USOCR	OR	OFF	2009/03/15 17:47
S39	1	("7469724").PN.	USPAT; USOCR	OR	OFF	2009/03/15 18:31
S40	43	(detect or detected or detection) near5 "wire reel"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/03/15 18:32
S41	1	("5874816").PN.	USPAT; USOCR	OR	OFF	2009/03/15 18:35
S42	1	(count or counting or counted) near5 "wire reel"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/03/15 18:51
S44	1	("7469724").PN.	USPAT; USOCR	OR	OFF	2009/03/16 09:02
S45	1	("7327056").PN.	USPAT; USOCR	OR	OFF	2009/03/16 09:03

S46	13	("20010033118" | "20030108708" | "4024446" | "4214249" | "4683410" | "5177393" | "5239218" | "5245234" | "5463263" | "5532533" | "5598201" | "6111384" | "6737781").PN. OR ("7327056").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2009/03/16 09:05
S47	20	("3293459" | "3864588" | "4255696" | "4353016" | "4509001" | "4532447").PN. OR ("5239218").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2009/03/16 10:07
S48	258	700/122.ccls.	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/03/16 10:08
S49	44	700/126.ccls.	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/03/16 10:08
S50	13	("3145294" | "4052599" | "4151403" | "4280159" | "4335439" | "4411008" | "4535949" | "4549268" | "4635216" | "4755888").PN. OR ("5136526").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2009/03/16 10:47
S51	1	("5664735").PN.	USPAT; USOCR	OR	OFF	2009/03/16 14:40
S52	1	("5310125").PN.	USPAT; USOCR	OR	OFF	2009/03/16 15:01
S53	189	((wind or winding or reel or reeling) near3 wire) and ((sense or sensor or sensing or detect or detecting) near2 (count or counting or mark))	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/03/16 15:24
S54	1	("6338263").PN.	USPAT; USOCR	OR	OFF	2009/03/16 15:30

| S55 | 50 | (US-20060283516-$ or US-20040244866-$ or US-20080134908-$ or US-20050005992-$ or US-20050087646-$ or US-20070227613-$ or US-20050061389-$ or US-20090126824-$ or US-20060254666-$). did. or (US-7143792-$ or US-5983473-$ or US-4511424-$ or US-4601774-$ or US-5613530-$ or US-5826629-$ or US-6000443-$ or US-6343764-$ or US-7051650-$ or US-7147179-$ or US-4384531-$ or US-6025018-$ or US-4448015-$ or US-5515887-$ or US-7469724-$ or US-4769286-$ or US-7353846-$ or US-4368014-$ or US-5858138-$ or US-5861073-$ or US-5878489-$ or US-6041841-$ or US-6062265-$ or US-6067829-$ or US-6112813-$ or US-3591103-$).did. or (US-3667509-$ or US-3665588-$ or US-3794209-$ or US-4253570-$ or US-4253569-$ or US-4487000-$ or US-4516831-$ or US-4568008-$ or US-4610749-$ or US-4619411-$ or US-4828001-$ or US-4884958-$ or US-5207856-$ or US-5359222-$ or US-5435351-$).did. | US-PGPUB; USPAT | OR | ON | 2009/08/24 15:55 |

S57	208	((wind or winding or reel or reeling) near3 wire) and ((sense or sensor or sensing or detect or detecting) near2 (count or counting or mark))	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/08/25 10:05
S58	1	("5310125").PN.	USPAT; USOCR	OR	OFF	2009/08/25 10:37
S59	10	("3462091" | "4022391" | "4170951" | "4184644" | "4244539" | "4848135" | "5029619" | "5036174" | "5080295").PN. OR ("5310125").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2009/08/25 10:38
S60	32	("2900145" | "3433434" | "3544035" | "3822831" | "3951355" | "4022391" | "4086472").PN. OR ("4244539").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2009/08/25 12:02
S65	5	("20090126824" | "5874816" | "5938196" | "5990919" | "7147179").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2010/02/18 11:22
S70	1	("5557101").PN.	USPAT; USOCR	OR	OFF	2010/02/19 15:57
S71	425	33/707.ccls.	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/02/19 16:09
S73	388	356/343.ccls.	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/02/19 16:17
S74	125	356/411.ccls.	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/02/19 16:18
S75	7	33/707.ccls. and reel	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/02/19 16:19

S76	1	356/343,411.ccls. and reel	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/02/19 16:48
S78	2000	((contact near2 (sensor or detector or indicator)) and binder	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/08/02 14:32
S79	2	"140"/$.ccls. and (contact near2 (sensor or detector or indicator)) and binder	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/08/02 14:35
S80	2	"242"/$.ccls. and (contact near2 (sensor or detector or indicator)) and binder	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/08/02 14:36
S81	25	"356"/$.ccls. and (contact near2 (sensor or detector or indicator)) and binder	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/08/02 14:37
S82	259	((mechanical near2 switch) same (sensor or detector or indicator)) and binder	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/08/02 14:41
S83	782	((mechanical near2 switch) same (sensor or detector or indicator)) and (binder or binding or reel)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/08/02 14:41
S84	3	"140"/$.ccls. and ((mechanical near2 switch) same (sensor or detector or indicator)) and (binder or binding or reel)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/08/02 14:41

S85	20	"242"/$.ccls. and ((mechanical near2 switch) same (sensor or detector or indicator)) and (binder or binding or reel)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/08/02 14:43
S86	50	(US-20040244866-$ or US-20060283516-$ or US-20090283169-$ or US-20050005992-$ or US-20050087646-$ or US-20070227613-$ or US-20080134908-$ or US-20090283167-$ or US-20090283168-$ or US-20090283170-$ or US-20090283172-$ or US-20100147411-$ or US-20060254666-$). did. or (US-7143792-$ or US-5983473-$ or US-4511424-$ or US-4601774-$ or US-5613530-$ or US-5826629-$ or US-6000443-$ or US-6343764-$ or US-7051650-$ or US-7147179-$ or US-4384531-$ or US-6025018-$ or US-4448015-$ or US-4769286-$ or US-7353846-$ or US-4368014-$ or US-5858138-$ or US-5861073-$ or US-5878489-$ or US-6041841-$ or US-6062265-$ or US-6067829-$ or US-6112813-$ or US-3591103-$ or US-3667509-$ or US-3665588-$).did. or (US-3794209-$ or US-4253570-$ or US-4253569-$ or US-4487000-$ or US-4516831-$ or US-4568008-$ or US-4610749-$ or US-4619411-$ or US-4828001-$ or US-	US-PGPUB; USPAT	OR	ON	2010/08/02 16:51

		4884958-$ or US-5207856-$).did.				
S87	6130	(contact near2 (sensor or detector or indicator)) and (binder or binding or reel).did.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/08/03 14:42
S88	14	"140"/$.ccls. and (contact near2 (sensor or detector or indicator)) and (binder or binding or reel)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/08/03 14:43
S89	141	"242"/$.ccls. and (contact near2 (sensor or detector or indicator)) and (binder or binding or reel)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/08/03 14:43
S90	163	"356"/$.ccls. and (contact near2 (sensor or detector or indicator)) and (binder or binding or reel)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/08/03 14:43
S91	56	"33"/$.ccls. and (contact near2 (sensor or detector or indicator)) and (binder or binding or reel)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/08/03 14:49
S92	503	33/1PT.ccls.	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/08/03 14:49
S93	655	33/1N.ccls.	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/08/03 14:49
S94	16	33/1N,1PT.ccls. and (reel or bobbin)	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/08/03 14:51

S95	9071	(contact near2 (sensor or detector or indicator)) and (("non-contact" or (non near2 contact)) near2 (sensor or detector or indicator))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/08/03 15:56
S96	8960	(contact near2 (sensor or detector or indicator)) same (("non-contact" or (non near2 contact)) near2 (sensor or detector or indicator))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/08/03 15:57
S97	8930	(contact near2 (sensor or detector or indicator)) with (("non-contact" or (non near2 contact)) near2 (sensor or detector or indicator))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/08/03 15:57
S98	6	"140"/$.ccls. and ((contact near2 (sensor or detector or indicator)) with (("non-contact" or (non near2 contact)) near2 (sensor or detector or indicator)))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/08/03 15:58
S99	3436	"contact sensor" with "non-contact sensor"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/08/03 16:00
S100	3	"140"/$.ccls. and "contact sensor" with "non-contact sensor"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/08/03 16:00
S101	3454	"contact sensor" with ("non-contact" near2 sensor)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/08/03 16:01
S102	451	242/614.ccls.	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/08/04 15:49

EAST Search History (Interference)

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
S107	100	((wire near2 reel) and (detect$4 or sensor)).clm.	US-PGPUB; USPAT; UPAD	OR	ON	2010/08/08 17:45
S108	26	((wire near2 reel) and flange and (boss or concave or recess)).clm.	US-PGPUB; USPAT; UPAD	OR	ON	2010/08/08 19:38

8/8/2010 7:51:15 PM
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